

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

SHOP DRAWINGS - WHEN SUBMITTING SHOP DRAWINGS FOR THIS PROJECT TO THE DOT, SUBMIT THEM TO THE OFFICE OF MAINTENANCE - BRIDGES.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

CONCRETE OVERLAY - SEE SPECIAL PROVISION - SECTION 519 - "FAST TRACK PORTLAND CEMENT CONCRETE OVERLAY WITH HYDRODEMOLITION".

PROTECTIVE PLATFORMS - PROVIDE PROTECTIVE PLATFORMS AT THIS SITE TO PREVENT DEBRIS AND MATERIALS FROM ENTERING THE WATERWAY. SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER BRF-058-1(14).

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF EPOXY ADHESIVE AND ITS APPLICATION IN THE OVERALL BID SUBMITTED.

EXISTING REINFORCEMENT - BEND EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. THOROUGHLY CLEAN EXISTING REINFORCEMENT OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION. WHERE EXISTING REINFORCEMENT TO BE RETAINED IN THE NEW CONSTRUCTION IS DAMAGED OR REMOVED, REPLACE WITH REINFORCEMENT OF THE SAME SIZE AND SPACING. WHERE APPLICABLE, ANCHOR BARS INTO EXISTING CONCRETE USING HILTI HY150 ADHESIVE ANCHOR SYSTEM OR EQUAL. PERFORM THIS WORK AT NO COST TO THE DEPARTMENT.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE OVERLAY TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS AT BENT 1 AND APPROACH SLABS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING LOW DENSITY POLYETHYLENE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE PRICE BID FOR PAY ITEM 449.

EXISTING RUBBER EXPANSION JOINT- REMOVE EXISTING RUBBER EXPANSION JOINT AT BENT 4 AND REPLACE WITH A STRIP SEAL JOINT IN ACCORDANCE WITH SECTION 443 OF THE SPECIAL PROVISIONS. DO NOT DAMAGE EXISTING BRIDGE COMPONENTS DURING REMOVAL. REPAIR BRIDGE COMPONENTS DAMAGED DURING REMOVAL TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE PRICE BID FOR PAY ITEM 443.

EXISTING CONSTRUCTION AND DUMMY JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE IS TO BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

REMOVAL OF PARTS OF EXISTING BRIDGE - INCLUDE THE COST FOR REMOVAL OF PORTIONS OF EXISTING DECK SLAB, EDGE BEAMS AND TOP OF BACKWALLS IN THE PRICE BID FOR ITEM 540 REMOVAL OF PARTS OF EXISTING BRIDGE.

CONCRETE CRACKS - SEAL CRACKS IN THE CONCRETE OVERLAY SURFACE IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO GROOVING. INCLUDE THE COST IN THE PRICE BID FOR PAY ITEM 528 - EPOXY SEALING OF CONCRETE CRACKS.

EROSION CONTROL - FURNISH, INSTALL, MAINTAIN AND REMOVE THE EROSION CONTROL ITEMS REQUIRED BY THE ENGINEER TO FILTER RUN-OFF FROM HYDRO-DEMOLITION OPERATIONS. SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. INCLUDE THE COST FOR THIS WORK IN THE OVERALL BID SUBMITTED.

SPALL REPAIR - REPAIR ALL SPALLS IN THE APPROACH SLABS IN ACCORDANCE WITH THE SPECIAL PROVISIONS, AS DIRECTED BY THE ENGINEER, PRIOR TO PLACING ASPHALT OVERLAY. INCLUDE THE COST IN THE PRICE BID FOR PAY ITEM 521 - PATCHING CONCRETE BRIDGE DECK.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF CLEANING AND BENDING OF EXISTING REINFORCEMENT, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
443-1000	1	EA	ELASTOMERIC PROFILE BRIDGE JOINT SEALS, BR NO-1, BENT NO - 4
449-1620	84	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-1, BENT NO-1
449-1620	42	LF	LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN-BLOWN SEAL, BR NO-1, BENT NO-4
500-0100	2050	SY	GROOVED CONCRETE
504-0600	14	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONC
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO-1 (1600)
519-0400	2050	SY	CONCRETE OVERLAY, PORTLAND CEMENT, VARB THK
521-1000	100	SF	PATCHING CONCRETE BRIDGE DECK
528-0750	2000	LF	EPOXY SEALING OF CONCRETE CRACKS
535-1105	LUMP		PAINT EXIST STEEL STRUCTURE, BR ID - 241-00002D-007.55E
540-1202	LUMP		REMOVAL OF PARTS OF EXISTING BR, BR NO-1

PAINTING NOTES:

- CLEAN AND PAINT THE BRIDGE STRUCTURAL STEEL IN ACCORDANCE WITH SECTION 535 OF THE GEORGIA DOT SPECIFICATIONS, PAINTING STRUCTURES. SYSTEM VII PAINT SHALL BE USED ON ALL EXPOSED SUPERSTRUCTURE STEEL.
- THE STRUCTURE IS 502 FT. LONG WITH AN ESTIMATED AREA OF STEEL TO BE PAINTED OF 12,650 SF. PRIOR TO BIDDING, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEASURE AND VERIFY THE AREA OF STEEL TO BE PAINTED.
- PAINT ALL STRUCTURAL STEEL WITHIN 5 FEET OF THE END OF BEAMS AT BENTS 1 AND 4, INCLUDING BUT NOT LIMITED TO THE BEARINGS, DIAPHRAGMS, STIFFENERS, CONNECTION PLATES AND BEAMS. PAINT THE EXTERIOR WEB FACE, EXPOSED EXTERIOR TOP FLANGE, BOTTOM FLANGE, AND BEARINGS OF BOTH EXTERIOR BEAMS. IN ADDITION, REPAINT ANY AREAS OF THE EXISTING PAINT SYSTEM DAMAGED DURING CONSTRUCTION OPERATIONS.
- NO MODIFICATION OF THE STRUCTURAL STEEL IS ALLOWED, INCLUDING BUT NOT LIMITED TO PUNCTURING, CUTTING, WELDING, OR OTHER OPERATIONS WHICH MODIFY THE STRUCTURAL INTEGRITY OF THE BRIDGE. REPAIR ANY DAMAGES TO THE STRUCTURAL STEEL CAUSED BY THE BLAST CLEANING OR ANY OTHER RELATED OPERATIONS, AT NO COST TO THE DEPARTMENT. ALL REPAIRS ARE TO BE APPROVED BY THE ENGINEER.
- ALL CONCRETE WORK SHALL BE COMPLETED PRIOR TO BEGINNING PAINTING WORK.

DESIGN DATA

SPECIFICATIONS AASHTO 2002

TYPICAL HS20-44 AND/OR MILITARY LOADING IMPACT ALLOWED

CONCRETE: BACKWALLS..... 24 HOUR ACCELERATED STRENGTH f'c = 3,500 PSI
EDGE BEAMS..... 24 HOUR ACCELERATED STRENGTH f'c = 3,500 PSI
DECK OVERLAY... 24 HOUR ACCELERATED STRENGTH f'c = 3,500 PSI

REINFORCEMENT STEEL GRADE 60, FY = 60,000 PSI

BRIDGE NO. 1



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GEORGIA

DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

DISTRICT 1 BRIDGE REPAIR

SR 2 (US 76) OVER LAKE BURTON

GENERAL NOTES

RABUN COUNTY

CSSTP-M002-00(788)

SCALE: NO SCALE U.N.O.

SEPTEMBER 2005

BRIDGE SHEET
2 OF 3

DESIGNED MDT
DRAWN ITD

CHECKED GLE
DESIGN GROUP MAINTENANCE

REVIEWED BFR
APPROVED BFR